Compliance Monitoring
Western Washington
FY 2008
Field Forms

Pre-survey checklist (For Office and Planning Use)

Form 1 **Post Survey Evaluation Form**

Form 2 **Road Construction**

Form 3 **Road Maintenance**

Form 4 **Road Abandonment**

Form 5 **Landings**

Form 6 **Temporary and Permanent Crossings on Type N water**

Form 7 **Fords**

Form 8 **Type F or S, No Inner Zone Harvest**

Form 9 **Type F or S, DFC Option 1- Thinning from Below**

Form 10 **Type F or S, DFC Option 2 –Leaving Trees Closest to the Water**

Form 11 **Np or Ns RMZ**

Form 12 **A or B Wetland Management Zones and Forested Wetlands**

Form 13 **Small Forest Landowner 20-Acre Exempt Parcels**

Form 14 **Alternate Plans**

Form 15 **Supplemental Stream Evaluation Information**

Westside
Pre-Survey Checklist (Optional for Office and Planning Use)

FPA #:	Date:	Ownership: SFLO / Industrial		
DNR Survey Lead:	**DOE Survey Rep:**	**WDFW Survey Rep:**	**Tribal Representative**	**Landowner representative**
Other Attendees: **Representing**	**Other Attendees:** **Representing**			

Use separate forms if needed for multiple activities

Forms to Be Completed: (As reported on FPA)

Post survey evaluation Form – Form #1 X (always needed)

Road Activities	**RMZ**	
_____ Road Construction – Form #2	No Inner Zone Harvest From#8	_____
_____ Road Maintenance – Form #3	DFC Option 1 – Form #9	_____
_____ Road Abandonment – Form #4	DFC Option 2 – Form #10	_____
_____ Landings – Form #5	N RMZ – Form #11	_____
_____ Permanent and Temporary Crossings	Wetlands - Form #12	_____
_____ on N Waters Form – #6	20 Acre Exempt parcels Form #13	
_____ Fords on Type N waters Form – #7	Alternate Plans Form - #14	_____
	Stream Evaluation Form – Form 15	_____

Pre-Survey Information: (As reported on FPA)
Are there any stream type modification forms for this application? _____

Type S or F RMZ—
Stream Segment Identifier or Location -_____

Harvest in Inner Zone: Y / N Zone Requirements: ____ Inner Zone Width ____ Outer Zone Width

Site Class on FPA/N: I / II / III / IV / V Site Class on FPARS: I / II / III / IV / V

(Bring map to field for reference)

Stream Width on FPA: >10 ft / ≤10 ft____ Stream Length: _____ ft

Core Zone Basal Area: _____ ft²/acre Dominant Canopy: Douglas fir / Hemlock

Option 1 Max dbh for thin: _____" dbh Option 2 Floor Width:_____ ft

Option 2 Total leave trees required: ____ Inner Zone ____ Outer Zone

Westside Pre-Survey Checklist (cont'd)

Outer Zone Basal Area Credit for: CMZ / LWD / Floor Zone (Option 2 Only) _____

Outer Zone Placement Strategy: Dispersed / Clumped Sensitive Area / Clumped

Alternate Plan map included? _____Alternate Plan ID Team Notes Included? _____

Type Np RMZ

Stream Segment Identifier or Location (To be indicated on activity map, furthest North or East)):
Harvest within 50' of bfw: Yes / No Length of Np Water: _____ ft

Water Type Modification info on FPA: Y / N

Sensitive Features: 50' ____ Headwall Seep ____ Side-slope Seep
56' ____ 2 or More Np ____ Pip ____ Headwall Spring

Type Ns RMZ

Stream Segment Identifier or Location (To be indicated on activity map, furthest North or East)
Water Type Modification info on FPA: Y / N

Road Activities

(Maps from FPA should be brought on survey to guide analysis)
Total Length of New Road Construction on FPA: _____ ft
Road Maintenance on FPA: Yes / No

Water Crossings: Bridge / Culvert / Temp Bridge / Temp Culvert / Ford

Proximity of Road Work to Typed Water: In or Over / Potential to Deliver / No Potential to Deliver

Number of Landings: _____

Pre-Survey Comments or Communications:

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Westside Form #1
Post Survey Evaluation

FPA # **Date**	**Ownership:** SFL / Industrial	**Time Spent:**	**Terrain:** 0% - 30 / 31% - 50% / >51%	**Vegetation:** Open / Brushy /Very Brushy/ blowdown
DNR Survey Lead:	**DOE Survey Rep:**	**WDFW Survey Rep:**	**Other Attendees:** **Representing:**	**Other Attendees:** **Representing:**
Other Attendees: **Representing**	**Other Attendees:** **Representing**	**Other Attendees:** **Representing**	**Other Attendees:** **Representing**	**Other Attendees:** **Representing**

Evaluation: Please fill out this section for each activity that was evaluated on the FPA. The form number corresponds to the question numbers on this form

1. Did information on the FPA provide adequate means to evaluate the activities completed on the ground? (Was all information included on FPARS or was additional documentation required? Were activities accurately described? Were all exchanges, management options and deviations outlined?)

_____
_____
_____
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2. Road Construction (Form #2)

Status of Compliance: **Exceeds** **Compliant** **Out of Compliance**

Non-Compliance Level (use professional judgment): **Trivial/Low** **Apparent/Medium** **Major/High** **No Consensus**

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3. Road Maintenance (Form #3)

Status of Compliance: **Exceeds** **Compliant** **Out of Compliance**

Non-Compliance Level (use professional judgment): **Trivial/Low** **Apparent/Medium** **Major/High** **No Consensus**

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Compliance Monitoring
Westside Post Survey Evaluation – Form #1 (cont'd)

4. Road Abandonment (Form #4)

Status of Compliance: **Exceeds** **Compliant** **Out of Compliance**

Non-Compliance Level (use professional judgment): **Trivial/Low** **Apparent/Medium** **Major/High** **No Consensus**

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5. Landings (Form #5)

Status of Compliance: **Exceeds** **Compliant** **Out of Compliance**

Non-Compliance Level (use professional judgment): **Trivial/Low** **Apparent/Medium** **Major/High** **No Consensus**

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6. Temporary and Permanent Crossings on Type N water (form #6)

Status of Compliance: **Exceeds** **Compliant** **Out of Compliance**

Non-Compliance Level (use professional judgment): **Trivial/Low** **Apparent/Medium** **Major/High** **No Consensus**

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7. Fords (Form #7)

Status of Compliance: **Exceeds** **Compliant** **Out of Compliance**

Non-Compliance Level (use professional judgment): **Trivial/Low** **Apparent/Medium** **Major/High** **No Consensus**

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Compliance Monitoring
Westside Post Survey Evaluation – Form #1 (cont'd)

8. No Inner Zone Harvest (Form #8)
Status of Compliance: **Exceeds** **Compliant** **Out of Compliance**

Non-Compliance Level (use professional judgment): **Trivial/Low** **Apparent/Medium** **Major/High** **No Consensus**

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9. DFC Option 1 Thinning from Below (Form #9)
Status of Compliance: **Exceeds** **Compliant** **Out of Compliance**

Non-Compliance Level (use professional judgment): **Trivial/Low** **Apparent/Medium** **Major/High** **No Consensus**

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10. DFC Option 2 –Leaving Trees Closest to the Water (Form #10)
Status of Compliance: **Exceeds** **Compliant** **Out of Compliance**

Non-Compliance Level (use professional judgment): **Trivial/Low** **Apparent/Medium** **Major/High** **No Consensus**

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11. Np or Ns RMZ (Form #11)
Status of Compliance: **Exceeds** **Compliant** **Out of Compliance**

Non-Compliance Level (use professional judgment): **Trivial/Low** **Apparent/Medium** **Major/High** **No Consensus**

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12. A or B Wetland Management Zones and Forested Wetlands (Form #11)
Status of Compliance: **Exceeds** **Compliant** **Out of Compliance**

Non-Compliance Level (use professional judgment): **Trivial/Low** **Apparent/Medium** **Major/High** **No Consensus**

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Compliance Monitoring
Westside Post Survey Evaluation Form #1 (cont'd)

13. Small Forest Landowner 20 Acre Exempt Parcels (Form #13)
Status of Compliance: **Exceeds** **Compliant** **Out of Compliance**

Non-Compliance Level (use professional judgment): **Trivial/Low** **Apparent/Medium** **Major/High** **No Consensus**

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14 Alternate Plans (Form #14)
Status of Compliance: **Exceeds** **Compliant** **Out of Compliance**

Non-Compliance Level (use professional judgment): **Trivial/Low** **Apparent/Medium** **Major/High** **No Consensus**

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15. Stream Evaluation Form (Form #15) Supplemental Information Only

Did you complete Form #15 for any streams that may have been inconsistent with the FPA? Yes No

_____
_____
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Signatures of representatives and date:

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Eastern and Western Washington
Form # 2 Road Construction
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)
***=Pertains to water quality**. **If road activities DO NOT present a potential impact to resources check (NA)**

1. Was water typed correctly on all waters using either physical criteria or a water type change? Y / N / NA /NC

2. Was all diverted water returned to the basin from which it came? Y / N / NA /NC

3. Were drainage structures installed at locations of seeps and springs to route water under the road prism to the forest floor to maintain hydrologic connectivity? Y / N / NA /NC

*4. Does new road construction minimize stream crossings? Y / N / NA /NC

5. Do roads run across typed water at a right angle? Y / N / NA /NC

6. When stream crossings were required, were alterations to natural features minimized? Y / N / NA /NC

7. Were all bogs or low nutrient fens completely avoided? Y / N / NA /NC

8. Was there any road construction in a wetland? Y / N / NA /NC

9. If #8 is yes, was the road prism and road length minimized in the wetland? Y / N / NA /NC

10. If > .5 acre of a wetland were filled or drained due to activities, was the required replacement by substitution or enhancement completed? Y / N / NA /NC

*11. Were culverts located and designed to minimize sediment delivery at stream crossings? Y / N / NA /NC

*12. Were erodible soils disturbed during construction stabilized to prevent the potential to deliver to typed waters? Y / N / NA /NC

*13. Were roads outsloped, insloped, crowned, ditched or bermed to prevent sediment delivery? Y / N / NA /NC

*14. Were cross drains, sediment traps, ditchouts, water bars, or other Best Management Practices utilized to prevent sediment delivery? Y / N / NA /NC

*15. Were all relief structures ≥ 18 inches in diameter in Western Washington and ≥ 15 inches in Eastern Washington? Y / N / NA /NC

Continue to next page

*16. Where ditch out and relief culverts have been employed, were diversion structures placed close enough to the stream to divert most sediment to the forest floor? Y / N / NA /NC

*17. When water was routed to erodible soils, were relief culverts appropriately armored and/or vegetated to minimize scour? Y / N / NA /NC

*18. Where the potential for sediment delivery existed, was full bench construction utilized for roads built on slopes greater than 60%? Y / N / NA /NC

*19. If road construction produced end haul materials, were they placed in stable areas to prohibit the entry of material into the 100-year flood plain? Y / N / NA /NC

*20. Were rock armor headwalls and rock armored ditchblocks installed for drainage structure culverts located on erodible soils where the road has a gradient greater than 6%? Y / N / NA /NC

*21. Do relief structures efficiently capture and pass ditch-line flow? Y / N / NA /NC

Temporary Roads: Complete Road Abandonment Form #9 for any roads that were temporary and abandoned.

22. Was the road designed and permitted to be temporary? Y / N / NA /NC

23. Was the road constructed in a manner to facilitate closure and abandonment when the intended use is completed? Y / N / NA /NC

24. Did the road design and culverts provide the same level of protection for public resources as required by the rules during the length of its use? Y / N / NA /NC

25. Was the road abandonment date identified on the FPA? Y / N / NA /NC

26. If yes, was the road abandoned by that date? Y / N / NA /NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@dnr.wa.gov (jpgs are okay as long as descriptions are attached.)

Comments and field observations (reasons for any out of compliance calls)

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Signature: _____ **Date**_____

Eastern and Western Washington
Form # 3 Road Maintenance
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus
***=Pertains to water quality**. **If road activities DO NOT present a potential impact to resources check (NA)**

1. If the department had conditioned that additional and/or larger water structures be installed, was this completed? Y / N / NC / NA

2. Is the road surface maintained to direct groundwater that is captured by the road surface onto stable portions of the forest floor? Y / N / NC / NA

3. During general maintenance of stream adjacent parallel roads, was all down wood blocking vehicle passage placed on the side of the road closest to water? Y / N / NC / NA

*4. Are drainage structures functional? Y / N / NC / NA

*5. Is groundwater captured in the ditchline diverted onto stable portions of the forest floor by using ditchouts, culverts or drivable dips? Y / N / NC / NA

*6. Is road grade maintained to minimize erosion of the surface and subgrade? Y / N / NC / NA

*7. During and on completion of log, pulp, rock, chip, or specialized forest products haul and road building, has the road surface been crowned, outsloped or water barred? Y / N / NC / NA

*8. Were berms removed except those designed for fill protection? Y / N / NC / NA

*9. Is the road surface maintained to minimize direct sediment entry to typed water? Y / N / NC / NA

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@dnr.wa.gov (jpgs are okay as long as descriptions are attached.)

Comments and field observations (reasons for any out of compliance calls, tree counts, etc)

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Signature_____**Date**_____

Eastern and Western Washington
Form #4 Road Abandonment
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)
***=Pertains to water quality**. **If road activities DO NOT present a potential impact to resources check (NA)**

*1. Were roads out-sloped, water barred, or otherwise left in a condition suitable to control erosion and maintain water movement within wetlands and natural drainages? Y / N / NA / NC

*2. Were ditches left in a suitable condition to reduce erosion? Y / N / NA / NC

3. Was the road blocked so that four-wheel highway vehicles cannot pass the point of closure at the time of abandonment? Y / N / NA / NC

*4. Were water crossing structures and fills on all typed waters removed, except where the department has determined other measures would provide adequate protection to public resources? Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@dnr.wa.gov (jpgs are okay as long as descriptions are attached.)

Comments and field observations (reasons for any out of compliance calls)

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Signature_____**Date**_____

Eastern and Western Washington
Form #5 Landings
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)
***=Pertains to water quality**. **If road activities DO NOT present a potential impact to resources check (NA)**

*1.Was the sidecast or fill used for the landing no larger than reasonably necessary for safe operations? Y / N / NA / NC

2. Were truck roads, skid trails, and fire trails outsloped or cross drained uphill from landings and the water diverted to the forest floor away from the toe of the landing? Y / N / NA / NC

*3. Were appropriate efforts made to direct drainage away from the landing to minimize water accumulation on the landing? Y / N / NA / NC

*4. Was the landing sloped to keep water from collecting on the operational surface? Y / N / NA / NC

*5. Where there was a high potential for excavated materials to enter a WMZ, the bankfull width of any stream, or the 100-year floodplain, did the landowner endhaul the materials? Y / N / NA / NC

*6. Was the location of the landing outside of natural drainage channels, CMZs, RMZs, Core and Inner Zones (both F and N), Type A or B wetlands, and WMZs? Y / N / NA / NC

7. Are there any spoils located within the boundaries of Type A or B wetlands, or within the boundaries of a forested wetland without written approval of the department? Y / N / NA / NC

*8. Are there any piles of debris that are perched and pose a risk of delivering to typed waters? Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@dnr.wa.gov (jpgs are okay as long as descriptions are attached.)

Comments and field observations (reasons for any out of compliance calls)

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Signature_____**Date**_____

Eastern and Western Washington
Form #6 Temporary and Permanent Crossings on Type N Water
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)
***=Pertains to water quality. If road activities DO NOT present a potential impact to resources check (NA)**
Answer the following for both permanent and temporary crossings

*1. Were alterations to the stream bed, bank or bank vegetation limited to that necessary for construction of the project?	Y / N / NA / NC

Permanent Crossings Only

*2. Do the culvert, its embankments and fills have erosion protection to withstand a 100-year flood?	Y / N / NA / NC
3. Is the alignment and slope of the culvert on grade with the natural flow of the streambed?	Y / N / NA / NC
4. Are all culverts at least 24 inches for Type Np waters?	Y / N / NA / NC
*5. Are all culverts at least 18 inches in Western Washington or 15 inches in Eastern Washington for Type Ns waters?	Y / N / NA / NC
*6. Was slash or debris that reasonably may be expected to plug the culvert cleared for a distance of 50 feet above the culvert?	Y / N / NA / NC
7. Do the entrances to all culverts have adequate catch basins and headwalls to minimize the possibility of erosion or fill failure?	Y / N / NA / NC
*8. Did the culvert installation prevent scouring of the stream bed and erosion of the banks in the vicinity of the project?	Y / N / NA /NC

Temporary Crossings Only

9. Are the temporary water crossings identified on the FPA?	Y / N / NA / NC
10. Were crossings installed and removed between the following time frames of the same year, unless otherwise conditioned in the FPA? • Between June 1 and September 30 for Western Washington. • Between spring runoff completion and October 15 for Eastern Washington.	Y / N / NA / NC
*11. Was the crossing designed to pass the highest peak flow event expected to occur during the length of time of its use?	Y / N / NA / NC
12. Is there a written plan for the abandonment and restoration of wetland crossings?	Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@dnr.wa.gov (jpgs are okay as long as descriptions are attached.)

Comments and field observations (reasons for any out of compliance calls) Please use the back of this page.

Eastern and Western Washington
Form #7 Fords

FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)
***=Pertains to water quality. If road activities DO NOT present a potential impact to resources check (NA)**

1. Were alterations to the stream bed, bank or bank vegetation limited to that necessary for construction of the project? Y / N / NA / NC

2. Does the ford, its embankments and fills have erosion protection to withstand a 100-year flood? Y / N / NA / NC

3. Is the alignment and slope of the ford on grade with the natural flow of the streambed? Y / N / NA / NC

*4. Was sediment delivery minimized? Y / N / NA /NC

*5. Were erodible soils disturbed during construction stabilized to prevent the potential to deliver to typed waters? Y / N / NA /NC

6. Are entry and exit points for each ford located as close to perpendicular to the stream as possible? (Not running adjacent or parallel) Y / N / NA / NC

7. Are entry and exit points for each ford within 100 feet upstream or downstream of each other? Y / N / NA / NC

8. Is the ford location shown on the FPA? Y / N / NA / NC

9. Were Best Management Practices implemented for construction, maintenance, or use as required by conditions on the approved application? Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@dnr.wa.gov (jpgs are okay as long as descriptions are attached.)

Comments and field observations (reasons for any out of compliance calls)

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Signature_____**Date**_____

Westside Form # 8
S or F RMZ: No Inner Zone Harvest
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

1. Were unstable slopes with the potential to deliver bounded out of the sale? Y / N / NA / NC

2. Was there a CMZ that was not reported on the FPA? Y / N / NC
   (complete form #15 if yes)

3. Was the stream size reported on FPA consistent with the field observation? Y / N / NA / NC
   (complete form #15 if yes)

4. If no, did the discrepancy influence the Inner Zone width (should the stream be > 10 ft bfw or ≤10 ft bfw?) Y / N / NA / NC?

5. Was there any harvest in the Core Zone? Y / N / NA / NC

6. Was there any harvest in the Inner Zone? Y / N / NA / NC

Outer Zone Leave Tree Strategy: only answer the questions that apply to the strategy specified in the FPA.

Exchange for Large Woody Debris:

7. Were there Outer Zone leave credits for a LWD placement strategy? Y / N / NA / NC

8. If the landowner is getting credit for LWD trees, are there at least 10 trees Per acre > 12" dbh (8" dbh around sensitive features) in the Outer Zone? Y / N / NA / NC

Exchange for Channel Migration Zone excess basal area:

9. Were there Outer Zone leave credits for excess basal area in the CMZ? Y / N / NA / NC

10. Did the landowner leave the appropriate number of leave trees as documented on the application after the CMZ exchange to satisfy the basal area exchange? Y / N / NA / NC

Leaving 20 trees per acre:

11. Were 20 conifer trees per acre ≥ 12 inches dbh or next largest size available left? Y / N / NA / NC

12. If conifer weren't present, are trees clumped around sensitive features and at least 8 inches dbh, mixed conifer and/or deciduous, and representative of the trees around the sensitive feature? Y / N / NA / NC

Continue to next page

Westside Form #8 (cont'd)

Salvage Questions: Skip these questions if no salvage was proposed.

13. Is there any salvage within the BFW or CMZ of any typed water, or Core or Inner Zones, including any portion of those trees that may have fallen outside of these zones? Y / N / NA / NC

14. Does the residual stand meet the leave tree requirements (i.e. 20 trees per acre) including down trees that originated from the Outer Zone? Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@dnr.wa.gov (jpgs are okay as long as descriptions are attached.)

Comments and field observations (reasons for any out of compliance calls, tree counts, etc)

Signature_____ **Date**_____

Westside Form # 9
S or F RMZ: Inner Zone Harvest (Option 1) Thinning from below
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

1. Were unstable slopes with the potential to deliver bounded out of the sale? Y / N / NA / NC

2. Was the stream length reported on the FPA's DFC worksheet within 10% of the measured value in the field? If no, note the difference in comment section. Y / N / NA / NC

3. Was the stream size reported on FPA consistent with the field observation? (complete form #15 if no) Y / N / NA / NC

4. If no, did the discrepancy influence the Inner Zone width (should the stream be > 10 ft bfw or ≤10 ft bfw?) Y / N / NA / NC

5. Was there a CMZ that was not reported on the FPA? (complete form #15 if yes) Y / N / NC

6. Is the tree species composition consistent with the DFC Worksheet? Y / N / NC

7. Was there any harvest in the Core Zone? Y / N / NA / NC

8. Was the Inner Zone floor distance the correct width? Y / N / NA / NC

9. Was there harvest in the Inner Zone of any trees larger than the thinning strategy allows? If yes, describe the situation in the comment section below Y / N / NA / NC

Inner Zone Leave Tree Requirements

10. Were ≥ 57 TPA left in the Inner Zone? Y / N / NA / NC

11. If any thinning occurred within 75 feet of BFW or CMZ did the landowner provide documentation of compliance with the shade rules? Y / N / NA / NC

Outer Zone Leave Tree Strategy: only answer the questions that apply to the strategy specified in the FPA.

Exchange for Large Woody Debris:

12. Were there Outer Zone leave credits for a LWD placement strategy? Y / N / NA / NC

13. If the landowner is getting credit for LWD trees, are there at least 10 trees per acre ≥ 12" dbh (8" dbh around sensitive features) in the Outer Zone? Y / N / NA / NC

Exchange for Channel Migration zone excess basal area:

14. Were there Outer Zone leave credits for excess basal area in the CMZ? Y / N / NA / NC

Continue to next page

15. Did the landowner leave the appropriate number of leave trees as documented on the FPA to satisfy the CMZ basal area exchange? Y / N / NA / NC

Leaving 20 trees per acre:

16. Were 20 conifer trees per acre left that are $\geq$ 12 inches dbh or next largest size available? Y / N / NA / NC

17. If conifer weren't present, are trees clumped around sensitive features and at least 8 inches dbh, mixed conifer and/or deciduous, and representative of the trees around the sensitive feature? Y / N / NA / NC

Salvage Questions: Skip these questions if no salvage was proposed.

18. Is there any salvage within the BFW of any typed water, Core Zone, or CMZ, including any portion of those trees that may have fallen outside of these zones? Y / N / NA / NC

Salvage in the Inner Zone

19. Does the residual stand meet stand requirements (DFC), including down trees that originated from the Inner Zone? Y / N / NA / NC

20. If the proposed salvage involves down wood, was the following down wood requirement in the Inner Zone left after the salvage logging? Y / N / NA / NC

Logs w/ a solid core	< 1-ft diameter	1-2 ft diameter	>2 ft diameter	Total
# of logs/acre	85	83	26	194

21. Was the salvage operation conducted to protect residual undamaged trees within the Inner Zone? Y / N / NA / NC

Salvage in the Outer Zone

22. Does the residual stand meet the leave tree requirements (i.e. 20 trees per acre) including down trees that originated from the Outer Zone? Y / N / NA / NC

23. If no Inner Zone salvage was proposed, was there any salvage within the Inner Zone, including any portion of those trees that may have fallen outside of it? Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@dnr.wa.gov (jpgs are okay as long as descriptions are attached.)

Comments and field observations (reasons for any out of compliance calls, tree counts, etc)

Signature_____ **Date**_____

Westside Form # 10
S or F RMZ: Inner Zone Harvest (Option 2) Leaving trees closest to the stream
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

1. Were unstable slopes with the potential to deliver bounded out of the sale? Y / N / NA / NC

2. Was the stream length reported on the FPA's DFC worksheet within 10% of the measured value in the field? If no, note the difference in comment section. Y / N / NA / NC

3. Was the stream size reported on FPA consistent with the field observation? (complete form #15 if yes) Y / N / NA / NC

4. If no to #3, did the discrepancy influence the Inner Zone width? (i.e. Should the stream be >10 ft bfw or ≤10 ft bfw?) Y / N / NA / NC

5. Was there a CMZ that was not reported on the FPA? (complete form #15 if yes) Y / N / NC

6. Is the tree species composition consistent with the DFC Worksheet? Y / N / NA / NC

7. Was there any harvest in the Core Zone? Y / N / NA / NC

8. Was there any harvest in the Floor Zone? If yes, describe the situation in the comment section below. Y / N / NA / NC

9. Were 20 trees per acre ≥12" dbh left in the outer portion of the Inner Zone? Y / N / NA / NC

Outer Zone Leave Tree Strategy: only answer the questions that apply to the strategy specified in the FPA.

Exchange for Inner Zone excess basal area:

10. Were there Outer Zone leave credits for excess basal area in the Inner Zone? Y / N / NA / NC

11. If yes to #10, is the number of Outer Zone leave trees in the field the same or greater than what is required in the DFC print out? (minimum of 10 TPA) Y / N / NA / NC

Exchange for Large Woody Debris:

12. Were there Outer Zone leave credits for a LWD placement strategy? Y / N / NA / NC

13. If the landowner is getting credit for LWD trees, does he have at least 10 trees per acre ≥ 12" dbh (8" dbh around sensitive features) in the Outer Zone? Y / N / NA / NC

Continue to next page

Exchange for Channel Migration zone basal area:

14. Were there Outer Zone leave credits for basal area in the CMZ? Y / N / NA / NC

15. Did the landowner leave the appropriate number of leave trees as documented on the application after the CMZ exchange to satisfy the basal area exchange? Y / N / NA / NC

Leaving 20 trees per acre:

16. Were 20 conifer trees per acre $\geq$ 12 inches dbh or next largest size available? Y / N / NA / NC
left in the Outer zone

17. If conifer weren't present, are trees clumped around sensitive features and at least 8 inches dbh, mixed conifer and/or deciduous, and representative of the trees around the sensitive feature? Y / N / NA / NC

Salvage Questions: Skip these questions if no salvage was proposed in the Outer Zone

18. Is there any salvage within the BFW, Core Zone, or CMZ of any typed water,, including any portion of those trees that may have fallen outside of these zones? Y / N / NA / NC

Salvage in the Inner Zone

19. Does the residual stand meet stand requirements (DFC), including down trees that originated from the Inner Zone? Y / N / NA / NC

20. If the proposed salvage involves down wood, was the following down wood requirement in the Inner Zone left after the salvage logging? Y / N / NA / NC

Logs w/ a solid core	< 1-ft diameter	1-2 ft diameter	>2 ft diameter	Total
# of logs/acre	85	83	26	194

21. Was the salvage operation conducted to protect residual undamaged trees within the Inner Zone? Y / N / NA / NC

Salvage in the Outer Zone

22. Does the residual stand meet the leave tree requirements (i.e. 20 trees per acre) including down trees that originated from the Outer Zone? Y / N / NA / NC

23. If no Inner Zone salvage was proposed, was there any salvage within the Inner Zone, including any portion of those trees that may have fallen outside of it? Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@dnr.wa.gov (jpgs are okay as long as descriptions are attached.)

Please provide comments and field observations (reasons for any out of compliance calls, tree counts, etc) on the other side of this sheet.

Westside Form #11
Ns or Np RMZ
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

Is this an Ns or Np stream? Ns_____ Np_____or both _____

Complete form #15 if discrepancy with stream typing

30-foot Equipment Limitation Zone (Ns and harvested Np RMZ):

1. Is there evidence of equipment entry into the 30 ft Equipment Limitation Zone? (A Yes answer does not necessarily indicate non-compliance) Y / N / NC

2. Was less than 10% of the soil within the ELZ exposed due to activities? Y / N / NA / NC

3. If >10% of soil was exposed, were mitigation measures completed? Y / N / NA / NC

Water type: Use note templates and measurement protocols to gather information on BFW and gradient over a segment of at least 500 feet as per WAC 222-16-031(6) (f). Provide any information regarding typing information provided by LO, uncertainties, or possible questions on stream typing. Fill out Form #15 Stream Evaluation Form for any segments in this section.

Np Water RMZ

5. Was there a CMZ that was not reported on the FPA? (Complete form #15 if discrepancy) Y / N / NC

6. Was the appropriate length of 50 foot no harvest zone left on the given stream segment? Refer to WAC 222-30-021 (2) (b) (i-vii) or the "Western Washington Type Np RMZ Worksheet" in the Compliance Monitoring Specifications and Guidelines (as taken from the FPA instructions). Y / N / NA / NC

7. Was the reported stream length within 10% of the length measured in the field? If not, you must provide explanation in comments below. Y / N / NA / NC

8. Was all harvest away from alluvial fans? Y / N / NA / NC

9. Was all harvest greater than 50 feet from headwall seeps and springs? Y / N / NA / NC

10. Was all harvest greater than 56 feet from all pips, and the confluence of two or more Type Np streams? Y / N / NA / NC

11. Were unstable slopes with the potential to deliver bounded out of the sale? Y / N / NA / NC

Continue to next page

Westside Form #11 (cont'd)

Salvage

12. Was there salvage of the RMZ of any Type Np stream or sensitive site? Y / N / NA / NC

13. Is there any salvage within the BFW of any Type Np water? Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@dnr.wa.gov (jpgs are okay as long as descriptions are attached.)

Comments and field observations (reasons for any out of compliance calls, tree counts, etc)

Signature_____ **Date**_____

Westside Form #12
A or B WMZ and Forested Wetlands
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

1. Were the wetlands typed and sized appropriately on the ground, and consistent with the FPA? If no, explain in comment section of this form. Y / N / NA / NC

2. Is the variable buffer width appropriate relative to the WMZ table in WAC 222-30-020 (7) (a)? Y / N / NA / NC

3. Where operations were conducted within the WMZ, were the resulting openings less than 100 feet wide (as measured parallel to wetland edge)? If no, explain in comment section. Y / N / NA / NC

4. Where operations were conducted within the WMZ, were the resulting openings no closer than 200 feet from each other (as measured parallel to wetland edge)? If no, explain in comment section. Y / N / NA / NC

Answer questions 5-7 if less than 10% of the harvest is within the WMZ. Skip to 8 if more than 10% of the harvest unit is within the WMZ.

5. Within the WMZ, are there a total of 75 trees per acre greater than 6 inches dbh? Y / N / NA / NC

6. Of the 75 trees per acre in the WMZ, are at least 25 of these greater than 12 inches dbh, where they exist? Y / N / NA / NC

7. Of the 25 trees per acre in the WMZ that are greater than12 inches dbh, are at least 5 of these greater than 20 inches dbh where they exist? Y / N / NA / NC

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8. Are the leave trees in the WMZ representative of species found in the pre-harvest condition of the WMZ area (evaluate stumps)? Y / N / NA / NC

9. Were any ground based harvesting systems used within the minimum WMZ without written approval of the Department? Y / N / NA / NC

10. When WMZs overlap an RMZ, was the requirement which best protects the public Resource applied? Y / N / NA / NC

11. If any timber was felled into or cable yarded across Type A or B Wetlands, was there written approval of the Department? Y / N / NA / NC

Continue to next page

12. If harvest occurred within forested wetlands, then was the harvest method limited to low impact harvest or cable systems? Y / N / NA / NC

13. If a forested wetland exists within the boundaries of a harvest unit and the area of the wetland is greater than 3 acres, were the approximate boundaries determined by the applicant? Y / N / NA / NC

Answer 14 if more than 10% of the unit is within a WMZ. Otherwise, you are done with this form.

14. Answer the following:

a. Is 10% of the unit within a WMZ?
   If true go to b.
   If false you are done with this question

b. Is the harvest unit a clear-cut less than 30 acres?
   If true, go to d
   If false, go to c

c. Is the harvest unit is a partial cut less than 80 acres?
   If true, go to d
   If false, you are done with this question

d. Did the Landowner leave 38 trees per acre in the WMZ greater than 6 inches dbh, 13 of which are greater than 12 inches dbh, including 3 trees 20 inches dbh where they exist. Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@dnr.wa.gov (jpgs are okay as long as descriptions are attached.)

Comments and field observations (reasons for any out of compliance calls, tree counts, etc)

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Signature_____**Date**_____

Westside Form # 13
20-Acre Exempt Parcels
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

1. Does 10% or more of the harvest unit lies within any combination of a RMZ of a Type S, F or Wetland Management Zone and is a clear-cut? Y / N

If the answer is yes, leave not less than 50% of the trees required in the table below. (Leaving more than 50% does not constitute and out of compliance call)

Western Washington Riparian Leave Tree Requirements				
20 Acre Exempt Parcels				
Water Type Average Width	RMZ Maximum Width	Ratio of Conifer to Deciduous Minimum Size Leave Trees	# Trees/1000 ft. each side	
			Gravel/Cobble < 10" Diameter	Boulder/Bedrock
S or F water greater than or equal to 75'	115'	representative of stand	58 trees	29 trees
S water less than 75' and F water less than 75' and greater than or equal to 10'	86'	representative of stand	115 trees	60 trees
F water less than 10' and greater than or equal to 5'	58'	2 to 1, 12" or next largest available[1]	86 trees	29 trees
F water less than 5'	29'	1 to 1, 6" or next largest available [1]	29 trees	29 trees
[1]"Or next largest available" requires that the next largest trees to those specified in the rule be left standing when those available are smaller than the sizes specified. Ponds or lakes which are Type S or F Waters shall have the same leave tree requirements as boulder bedrock streams				

2. Were the appropriate leave trees left? (reference question #1) Y / N / NA / NC

For Type S or F waters answer the following:

3. Is there an applicable Watershed Analysis for this site with buffer requirements for this location? Y / N / NA / NC

4. If the harvest unit overlaps a Type A or B Wetland, was the requirement that best protects the resource applied? Y / N / NA / NC

Continue to next page

5. Using the table, did the LO use the correct RMZ for the stream width? Y / N / NA / NC
(except for road construction activities)

6. Refer to the substrate information in the table Did the landowner also Y / N / NA / NC
leave the required #trees/1000 ft. each side? (If tree count unavailable, no harvesting can take place)

7. If the LO harvested within the maximum RMZ, did they meet the shade requirement? Y / N / NA / NC
If there was a waiver, did the LO
a. Agree to a standard setting program producing equal or greater shade requirements or, Y / N / NA / NC
b. Provide alternative means of stream temperature control satisfactory to the DNR or, Y / N / NA / NC
c. The temperature method indicates that additional shade will not affect stream Y / N / NA /NC
temperature

8. If harvest in the RMZ did the LO avoid disturbing brush and live trees and stumps Y / N / NA / NC
and root systems embedded in the bank, and did they leave high stumps to prevent felled and bucked timber from entering the water?

9. Did the LO leave an average of 5 undisturbed and uncut wildlife TPA in the RMZ Y / N / NA / NC
at a conifer to deciduous ratio of 1:1 equal to the largest existing tree of those species? Trees left for wildlife may also be counted in the requirements for the table above.

10. Are fifty percent or more of the trees required in the above chart live or undamaged Y / N / NA / NC
after harvest, randomly distributed if possible, except for some clumping for operational considerations? (They can count dead trees also)

11. If a 1:1 ratio is not present, did they substitute either species to leave the required Y / N / NA / NC
number of trees for wildlife?

For Type Np water complete the following:

12. Were 29 confer or deciduous trees left that were 6 inches or larger DBH on each Y / N / NA / NC
of side of every 1000 feet of stream length within 29 feet of the stream?

13. If no to #12 did DNR document why this was not necessary? Y / N / NA / NC
(If the FPA was approved before 9-26-06 there was no requirement for FPFs to document why they decided the 29 trees/1000 ft was not necessary)

14. Was the stream size consistent with the FPA? Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@dnr.wa.gov (jpgs are okay as long as descriptions are attached.)

Comments and field observations (reasons for any out of compliance calls, tree counts, etc) Use back of page if necessary

Signature_____ **Date**_____

Western and Eastern Washington Form 14
Alternate Plans
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

1. Does the alternate plan contain a map showing affected streams and other waters, wetlands, unstable slopes, and existing roads? Y / N / NA / NC

2. Does the map also show the location of proposed road construction, timber harvest and other forest practices? Y / N / NA / NC

3. Is there a description of how the alternate plan provides public resource protection including a description of the proposed alternate strategy, prescriptions, and where applicable aquatic resource enhancements? Y / N / NA / NC

4. Is there a list of FP rules that the alternate plan is intended to replace? Y / N / NA / NC

5. If applicable, are there descriptions of monitoring and adaptive management ` strategies, including landowner plans for annual performance reviews? Y / N / NA / NC
(Note that this question will not determine a compliance status, but is for general information.)

6. If applicable, is there an implementation schedule? Y / N / NA / NC
(Not: this question will not determine a compliance status, but is for general information.)

7. If there are multiple Forest Practices applications submitted with this plan, is there justification that the sites included in the plan share sufficient common physical characteristics and elements to be considered together? Y / N / NA / NC

8. Is there documentation that an ID team was convened to review this alternate plan? Y / N / NA / NC

9. Did the application include the recommendation of the interdisciplinary team that indicated the alternate plan meets the approval standard or what revisions are necessary to meet the approval standard? Y / N / NA / NC

10. Was there a written letter by the department to the landowner explaining why the application was conditioned? (*Will not determine out of compliance but it is a requirement)* Y / N / NA / NC

11. Did the LO follow the prescriptions in the approved Alternate Plan? Y / N / NA / NC

Comments and field observations (reasons for any out of compliance calls, tree counts, etc)
Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@dnr.wa.gov (jpgs are okay as long as descriptions are attached.)
Please provide a narrative below or on the back of this page to explain any deviations to the approved Alternate Plan

_____

Signature_____Date_____

Eastern and Western Washington
Form #15 –Supplemental Stream Evaluation Information
FPA #_____ Date: _____

Y= Yes, N=No, IND = Indeterminate, NC =No consensus (Defer to FPF)
If there was a Water-Type Modification Form associated with an Ns, Np, or Type F stream, do not use Form 15 for such streams.

For questions relating to water typing procedures, refer to WAC 222-16-031. Use Board Manual Section (3) for determining physical characteristics of Type F streams.

To determine width and gradient use WAC 222-16-031(6) (f), which states:

> "*Channel width and gradient" means a measurement over a representative section of at least 500 linear feet with at least 10 evenly spaced measurement points along the normal stream channel but excluding unusually wide areas of negligible gradient such as marshy or swampy areas, beaver ponds, and impoundments. Channel gradient may be determined utilizing stream profiles plotted from United States Geological Survey topographic maps."*

Ns Stream—If No Ns stream, go to question #8 for Np stream or # 17 for Type F/S stream

1. Did the Ns stream appear on the FPA map? Y / N / IND / NC

2. Did the Ns stream actually exist on the ground? Y / N / IND / NC

3. Was the Ns stream typed consistently with the FPA typing? Y / N / IND / NC

4. Did the Ns stream connect to a higher order stream? Y / N / IND / NC
   If NO,

5. Did it meet physicals for Np? Y / N / IND / NC

6. Did it meet physicals for F or S? Y / N / IND / NC

7. Did the landowner protect the stream equal to or more than the required ELZ buffer? Y / N / IND / NC

8. Did the landowner protect an Ns mapped stream that doesn't exist on the ground? Y / N / IND / NC

9. Was there documentation for a stream typing change as per the FPA instructions? Y / N / IND / NC

Np Stream—if no Np stream go to question #17

10. Did the stream appear on the FPA map? Y / N / IND / NC

11. Did the Np stream actually exist on the ground? Y / N / IND / NC

Continue to next page

Eastern and Western Washington Form #15 (cont'd)

12. Does the stream show on the U.S. Geologic Survey topographic map? Y / N / IND / NC

13. If the landowner used a USGS map, did they reference the map? Y / N / IND / NC

14. Was the Np stream typed consistently with the FPA typing? Y / N / IND / NC

15. Did the stream meet the physicals of Np water? Y / N / IND / NC

If NO:

16. Did it meet physicals for Ns? Y / N / IND / NC

17. Did it meet physicals for F or S? Y / N / IND / NC

18. Was there documentation for a stream typing change as per the FPA instructions? Y / N / IND / NC

19. Did the landowner protect the stream with equal to or more than the required Np buffer? Y / N / IND / NC

20. Did the stream meet the physicals of a Type F stream as determined by Section 1.3 of Board Manual 2, Standard Methods for Indentifying Bankfull Channel Features and Channel Migration zones? Y / N / IND / NC

What is the average BFW? _____ Gradient? _____

F and/or S Streams

21. Did the stream appear on the FPA map? Y / N / IND / NC

22. Did the stream actually exist on the ground? Y / N / IND / NC

23. Was the stream size consistent with the size on the approved FPA? Y / N / IND / NC

24. Does the stream show on the U.S. Geologic Survey topographic map Y / N / IND / NC

25. If the landowner used a USGS map, did they reference the map?

26. Were there stream associated wetlands not included in the stream buffer determinations? Y / N / IND / NC

27. Was there a CMZ that was not included in the stream width determinations? Y / N / IND / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@dnr.wa.gov (jpgs are okay as long as descriptions are attached.)

Please provide comments on the back of this page to clarify any determinations above.

Signature:_____ **Date**_____